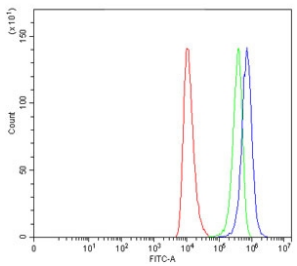
SEPT4 Antibody / Septin 4 (RQ7249)

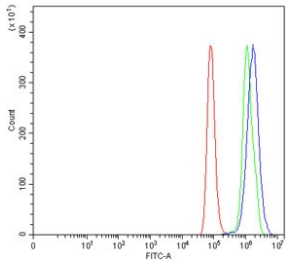
Catalog No.	Formulation	Size
RQ7249	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

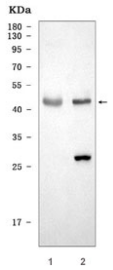
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43236
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SEPT4 antibody is available for research use only.



Flow cytometry testing of human HEL cells with SEPT4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT4 antibody.



Flow cytometry testing of human HeLa cells with SEPT4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT4 antibody.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with SEPT4 antibody. Predicted molecular weight ~53 kDa.

Description

Septin 4 is a protein that in humans is encoded by the gene SEPTIN4. This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer.

Application Notes

Optimal dilution of the SEPT4 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E18-K451) was used as the immunogen for the SEPT4 antibody.

Storage

After reconstitution, the SEPT4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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